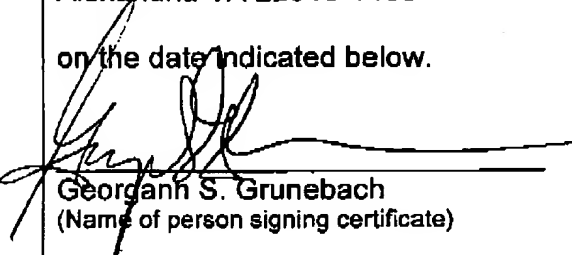




Patent
PD-200181
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen et al.	I hereby certify that this correspondence is being facsimile transmitted to (571) 273-2885 (Issue Fee Facsimile Number) addressed to:
Serial No.: 09/844,401	
Filing Date: April 27, 2001	
For: LAYERED MODULATION FOR DIGITAL SIGNALS	Mail Stop Issue Fee Commissioner for Patents P. O. Box 1450 Alexandria VA 22313-1450
Group Art Unit: 2611	on the date indicated below.
Examiner: BAYARD, Emmanuel	 Georgann S. Grunebach (Name of person signing certificate)
	Date: January 10, 2007

**REQUEST FOR CONSIDERATION OF PREVIOUSLY FILED
INFORMATION DISCLOSURE STATEMENT**

Mail Stop Issue Fee
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

ISSUE FEE DUE: JANUARY 17, 2007

Dear Sir:

Applicants respectfully request consideration of the enclosed Information Disclosure Statements which were previously filed in the present application on October 18, 2006, October 23, 2006 and December 4, 2006, respectively.

The enclosed Information Disclosure Statement dated October 18, 2006 (EXHIBIT A) was mailed via first class mail to the Office on October 18, 2006 and received by the Office on October 23, 2006, as evidenced by the return date-stamped postcard. The statement was timely filed under 37 C.F.R. §1.97(d) with payment of the fee set forth in §1.17(p).

Serial No. 09/844,401.....Page 2

The enclosed Information Disclosure Statement dated October 23, 2006 (EXHIBIT B) was mailed via first class mail to the Office on October 23, 2006 and received by the Office on October 26, 2006, as evidenced by the return date-stamped postcard. The statement was timely filed under 37 C.F.R. §1.97(d) with payment of the fee set forth in §1.17(p).

The enclosed Information Disclosure Statement dated December 4, 2006 (EXHIBIT C) was facsimile transmitted to the Office on December 4, 2006 and received by the Office on December 4, 2006, as evidenced by Auto-Reply Facsimile Transmission and the date-stamped RECEIVED CENTRAL FAX CENTER DEC 04 2006 of the Information Disclosure Statement and substitute form PTO 1449 enclosed herewith. The statement was timely filed under 37 C.F.R. §1.97(d) with payment of the fee set forth in §1.17(p).

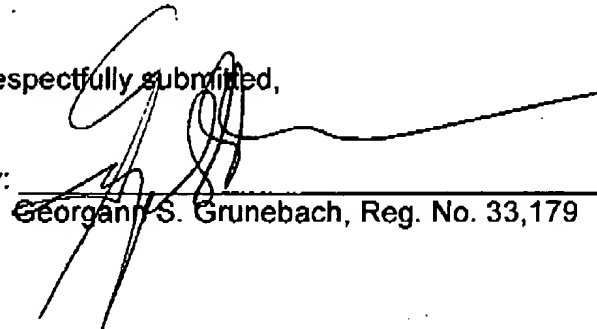
Accordingly, Applicants respectfully submit that these Information Disclosure Statements should be fully considered, and the accompanying PTO 1449 forms, initialed by the Examiner.

Applicants believe that no fee is required in connection with this communication. If a fee is due, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

Favorable consideration is respectfully requested, and if the Examiner believes that there are any unresolved issues, Applicants request that the Examiner telephone the undersigned so that appropriate arrangements can be made for resolving such issues as expeditiously as possible.

Respectfully submitted,

By:


Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.
CA/LA1/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615

January 10, 2007



1/11

2611

Patent
PD-200181
Customer No. 020981

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen

Serial No.: 09/844,401
Filed: April 27, 2001

For: LAYERED MODULATION FOR
DIGITAL SIGNALS

Group Art Unit: 2611
Examiner: Emmanuel Bayard

I hereby certify that this correspondence is
being deposited with the United States Postal
Service with sufficient postage as first class
mail in an envelope addressed to:

Mail Stop AF, Commissioner for
Patents P. O. Box 1450, Alexandria, VA
22313-1450, on the date below:

Geordann S. Grunebach

Typed or printed name of person signing certificate

Date: October 18, 2006

SUPPLEMENTAL DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97 (d)
WITH FEE AS SET FORTH IN §1.17(p)

Mail Stop AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

The references were cited in the European Search Report, date of communication being September 29, 2006, in the counterpart European patent application of related U.S. patent application serial number 10/532,631 filed April 25, 2005.

This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the issue fee as set forth in 37 C.F.R. § 1.97(d).

10/23/2006 RFEKADU1 00000036 500383 09844401

01 FC:1806 180.00 DA



Serial No. 09/844,401.....Page 2

Certification Under 37 C.F.R. §1.97(e)

Each item of information contained in the information disclosure statement was first cited in a communication from the European patent office in the counterpart foreign application of a related application not more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. §1.97(e)(1)).

PAYMENT OF FEE SET FORTH IN §1.17(p)

Please charge Deposit Account No. **50-0383** of Hughes Electronics Corporation, El Segundo, California, in the amount of **\$180.00**. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. **This form is being submitted in duplicate.**

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

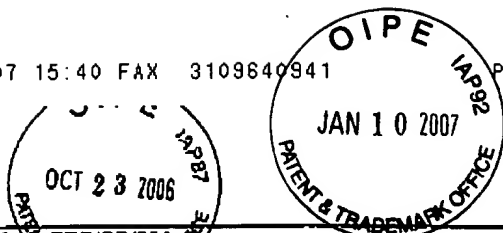
Respectfully submitted,

By: 
Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.
CA/LA1/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615

October 18, 2006



Substitute for form PTO/SB/08A

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number	09/844,401
Filing Date	04/27/2001
First Named Inventor	Ernest Chen
Art Unit	2611
Examiner Name	BAYARD, Emmanuel

Date: October 18, 2006

Sheet 1 of 1

Attorney Docket Number PD-200181

U.S. PATENT DOCUMENTS

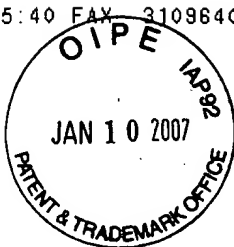
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2002/006795	01-2002	Norin et al.	
		US-6,333,924	12-2001	Porcelli et al.	
		US-2001/012322	08-2001	Nagaoka et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		WO 2005/086444	09-2005	Thomson Licensing S.A.		
		WO 2005/074171	08-2005	Qualcomm Incorporated		

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



AF

Patent
PD-200181
Customer No. 020991**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Ernest C. Chen

Serial No.: 09/844,401
Filed: April 27, 2001For: LAYERED MODULATION FOR
DIGITAL SIGNALSGroup Art Unit: 2611
Examiner: Emmanuel BayardI hereby certify that this correspondence is
being deposited with the United States Postal
Service with sufficient postage as first class
mail in an envelope addressed to:Mail Stop AF, Commissioner for
Patents, P. O. Box 1450, Alexandria, VA
22313-1450, on the date below:

Georgann S. Grunebach

Typed or printed name of person signing certificate

Date: October 23, 2006

SUPPLEMENTAL DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97 (d)
WITH FEE AS SET FORTH IN §1.17(p)Mail Stop AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The reference cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

The reference was cited in an Examiner's Answer dated August 9, 2006, in related patent application serial number 10/165,710 filed June 7, 2002.

This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the issue fee as set forth in 37 C.F.R. § 1.97(d).

10/25/2006 CHUYEN 88888884 588343 89844481
01 FC:1866 188.00 DA



Serial No. 09/844,401.....

Page 2

Certification Under 37 C.F.R. §1.97(e)

Each item of information contained in the information disclosure statement was first cited in a communication from the European patent office in the counterpart foreign application of a related application not more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. §1.97(e)(1)).

PAYMENT OF FEE SET FORTH IN §1.17(p)

Please charge Deposit Account No. **50-0383** of Hughes Electronics Corporation, El Segundo, California, in the amount of **\$180.00**. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. **This form is being submitted in duplicate.**

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

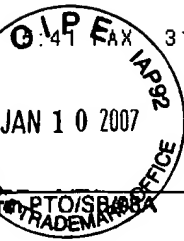
By: 

Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.
CA/LA1/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615

October 23, 2006



Substitute for form PTO/SB/436 INFORMATION DISCLOSURE STATEMENT BY APPLICANT OCT 26 2006 PTO/USPTO OFFICE	Complete if Known		
	Application Number	09/844,401	
	Filing Date	April 27, 2001	
	First Named Inventor	Ernest C. Chen	
	Art Unit	2611	
Date:	October 23, 2006	Examiner Name	BAYARD, Emmanuel
Sheet 1 of 1	Attorney Docket Number	PD-200181	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		THE AUTHORITATIVE DICTIONARY OF IEEE STANDARDS TERMS; Seventh Edition, pp. 1047 ~ definition of "signal"	

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

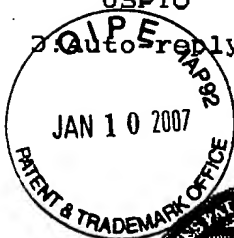
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PAGE 1/001

Fax Server

Auto-reply fax to 310964094 COMPANY:



Auto-Reply Facsimile Transmission

TO:

Fax Sender at 3109640941

Fax Information

Date Received:

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6 (including cover page)

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Cover
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12/04/2006 17:57 FAX 3109640941		P & L LEGAL		001/006	
FAX COVER SHEET					
PLEASE CONFIRM RECEIPT OF THIS FACSIMILE					
Attention: Mail Stop AF Group Art Unit: 2811 Examiner: BAYARD, Emmanuel		Fax: (571) 273-8300			
UNITED STATES PATENT AND TRADEMARK OFFICE		Phone: (571) 272-3010			
Pages: Cover + 2 + 2 + 1 = 6		Date: December 4, 2006			
From: Georgann S. Grunebach Assistant General Counsel		Fax: (310) 664-0941 Phone: (310) 664-4615			
<p>The information contained in this facsimile is confidential and may also contain privileged attorney-client information or other proprietary information. The information is intended only for the use of the individual or entity to which it is addressed. If you are not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received this facsimile in error, please immediately notify us by telephone, and return the original message to us at the address below via the U.S. Postal Service. Thank you.</p>					
CERTIFICATION OF FACSIMILE TRANSMISSION UNDER 37 CFR 1.8					
<p>I hereby certify that this correspondence identified below is being transmitted to (571) 272-8300 (Certified Facsimile Number), addressed to Mail Stop AF, Communications Division, P.O. Box 1450, Alexandria, VA 22313-1450, on December 4, 2006.</p>					
Telephone No. (310) 664-4615		Georgann S. Grunebach, Reg. No. 33,179 (Printed Name of Person Signing Certificate)		December 4, 2006 (Date of Signature)	
Attention: Commissioner for Patents		Attorney Docket No. PD-200151			
Please find attached Re:					
Serial No.: 09/844,401		Filing Date: April 27, 2001			
<ul style="list-style-type: none"> > INFORMATION DISCLOSURE STATEMENT (2 pages in duplicate) > SUBSTITUTE FORM PTO/SB/08B (1 page) > NON-PATENT LITERATURE (2 pages) 					
PLEASE CONFIRM RECEIPT OF THIS FACSIMILE					
If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 664-0736.					
PAGE 01 * RCVD AT 12/04/2006 7:55:11 PM [Eastern Standard Time] * SVR:USPTO-EFXXF 4/10 * DNIS:2732885 * CSID:3109640941 * DURATION (mm-ss):03-58					



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FAX COVER SHEET**PLEASE CONFIRM RECEIPT OF THIS FACSIMILE**

Attention:	Mail Stop AF Group Art Unit: 2611 Examiner: BAYARD, Emmanuel	Fax:	(571) 273-8300
UNITED STATES PATENT AND TRADEMARK OFFICE		Phone:	(571) 272-3016
Pages:	Cover + 2 + 2 + 1 = 6	Date:	December 4, 2006
From:	Georgann S. Grunebach Assistant General Counsel	Fax:	(310) 964-0941
		Phone:	(310) 964-4615

The information contained in this facsimile is confidential and may also contain privileged attorney-client information or work product. The information is intended only for the use of the individual or entity to which it is addressed. If you are not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received the facsimile in error, please immediately notify us by telephone, and return the original message to us at the address below via the U.S. Postal Service. Thank you.

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Georgann S. Grunebach, Reg. No. 33,179 (Printed Name of Person Signing Certificate)	<u>December 4, 2006</u> (Date of Signature)
Telephone No. (310) 964-4615	

Attention: Commissioner for Patents

Attorney Docket No. PD-200181

Please find attached Re:

Serial No.: 09/844,401

Filing Date: April 27, 2001

- INFORMATION DISCLOSURE STATEMENT (2 pages in duplicate)
- SUBSTITUTE FORM PTO/SB/08B (1 page)
- NON-PATENT LITERATURE (2 pages)

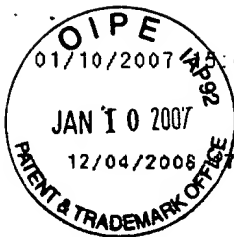
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If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.

PAGE 1/6 * RCVD AT 12/4/2006 7:55:11 PM [Eastern Standard Time] * SVR:USPTO-EFAXF-5/10 * DNIS:2738300 * CSID:3109640941 * DURATION (mm-ss):00-58

PAGE 11/14 * RCVD AT 1/10/2007 5:36:57 PM [Eastern Standard Time] * SVR:USPTO-EFAXF-1/6 * DNIS:2732885 * CSID:3109640941 * DURATION (mm-ss):03-58

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Patent
PD-200181
Customer No. 020981

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen

Serial No.: 09/844,401
Filed: April 27, 2001

For: LAYERED MODULATION FOR
DIGITAL SIGNALS

Group Art Unit: 2611
Examiner: Emmanuel Bayard

I hereby certify that this correspondence is
being facsimile transmitted to (571) 273-8300
(Centralized Facsimile Number) and
addressed to:

Mall Stop AF, Commissioner for
Patents, P. O. Box 1450, Alexandria, VA
22313-1450, on the date below:


Georgann S. Grunebach

Typed or printed name of person signing certificate

Date: December 4, 2006

SUPPLEMENTAL DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97 (d)
WITH FEE AS SET FORTH IN §1.17(p)

Mall Stop AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The reference cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

The reference was cited in a Notice of Allowance dated November 21, 2006, in related U.S. patent application serial number 10/532,509 filed April 25, 2005.

This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the issue fee as set forth in 37 C.F.R. §1.97(d).

PAGE 2/6 * RCVD AT 12/4/2006 7:55:11 PM [Eastern Standard Time] * SVR:USPTO-EFAX-5/10 * DNIS:2738300 * CSID:3109640941 * DURATION (mm-ss):00-58

PAGE 12/14 * RCVD AT 1/10/2007 5:36:57 PM [Eastern Standard Time] * SVR:USPTO-EFAX-1/6 * DNIS:2732885 * CSID:3109640941 * DURATION (mm-ss):03-58

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DEC 04 2006

Serial No. 09/644,401.....Page 2

Certification Under 37 C.F.R. §1.97(e)

No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. § 1.97 (e)(2)).

PAYMENT OF FEE SET FORTH IN §1.17(d)

Please charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California, in the amount of \$180.00. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. This form is being submitted in duplicate.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

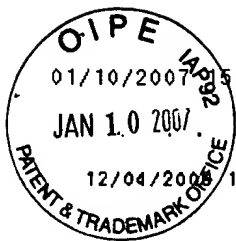
By: 

Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.
CA/LA1/A109
P. O. Box 958
El Segundo, CA 90245

Telephone No. (310) 964-4815

December 4, 2006



01/10/2007 5:42 FAX 3109640941

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JAN 10 2007

12/04/2006 17:57 FAX 3109640941

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008/008

Substitute for form PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known		
	Application Number	09/844,401	
	Filing Date	April 27, 2001	
	First Named Inventor	Ernest C. Chen	
	Art Unit	2611	
Date:	December 4, 2006	Examiner Name	BAYARD, Emmanuel
Sheet 1 of 1	Attorney Docket Number	PD-200181	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,369,648	04-2002	Kirkman, George F.	
		US-6,477,398	11-2002	Mills, Randell L.	
		US-3,076,180	01-1963	Havens et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PAGE 5/6 * RCVD AT 12/4/2006 7:55:11 PM [Eastern Standard Time] * SVR:USPTO-EFXXRF-5/10 * DNIS:2738300 * CSID:3109640941 * DURATION (mm-ss):00-58

PAGE 14/14 * RCVD AT 1/10/2007 5:36:57 PM [Eastern Standard Time] * SVR:USPTO-EFXXRF-1/6 * DNIS:2732885 * CSID:3109640941 * DURATION (mm-ss):03-58 **BT C**



FAX COVER SHEET

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Attention: MAIL STOP ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Fax: (571) 273-2885

Pages: Cover + 2 + 3 + 3 + 5 = 14

Date: January 10, 2007

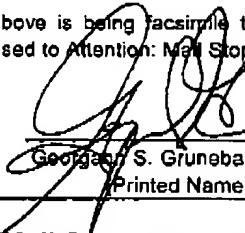
From: Georgann S. Grunebach
Assistant General Counsel

Fax: (310) 964-0941
Phone: (310) 964-4615

The information contained in this facsimile is confidential and may also contain privileged attorney-client information or work product. The information is intended only for the use of the individual or entity to which it is addressed. If you are not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received the facsimile in error, please immediately notify us by telephone, and return the original message to us at the address below via the U.S. Postal Service. Thank you.

CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that the correspondence identified above is being facsimile transmitted to (571) 273-2885 (Office Facsimile Number for ISSUE FEE), on January 10, 2007, addressed to Attention: Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Georgann S. Grunebach, Reg. No. 33,179
(Printed Name of Depositor)

January 10, 2007
(Date of Signature)

Attention: Commissioner for Patents, Mail Stop Issue Fee

Please find attached Re:

Attorney Docket No. PD-200181

Serial No.: 09/844,401

Filing Date: April 27, 2001

ISSUE FEE DUE: JANUARY 17, 2007

- REQUEST FOR CONSIDERATION OF PREVIOUSLY FILED INFORMATION DISCLOSURE STATEMENTS (2 pages)
- EXHIBIT A – INFORMATION DISCLOSURE STATEMENT DATED OCTOBER 18, 2006 (3 pages)
- EXHIBIT B – INFORMATION DISCLOSURE STATEMENT DATED OCTOBER 23, 2006 (3 pages)
- EXHIBIT C – INFORMATION DISCLOSURE STATEMENT DATED DECEMBER 4, 2006 (5 pages)

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